



PTO/SB/08A (08-03)

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Substitute for Form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/509633
Filing Date	February 18, 2005
First Named Inventor	ARNOULD, Jean-Claude
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket No.	100467-1 US

SHEET 1 of 3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	US1	US-4,533,672 A	08-06-1985	Imperial Chemical Industries PLC	
	US2	US-3,901,914	08-26-1975	Merck & Co., Inc.	
	US3	US-4,952,584	08-28-1990	Beecham Group p.l.c.	
	US4	US-3,166,570	01-19-1965	American Home Products Corporation	
	US5	US-3,168,526	02-02-1965	The Upjohn Company	
	US6	US-3,037,031	05-29-1962	Warner-Lambert Pharmaceutical Company	
	US7	US-2,984,670	05-16-1961	The Upjohn Company	
	US8	US-2,890,223	06-09-1959	Research Company	
	US9	US-2,849,454	08-26-1958	The Upjohn Company	
	US10	US-2,802,003	08-06-1957	The Geschickter Fund for Medical Research, Inc.	
	US11	US-2,991,291	07-04-1961	The Upjohn Company	
	US12	US-2,883,394	04-21-1959	Geigy Chemical Corporation	
	US13	US-2,789,984	04-23-1957	The Upjohn Company	
	US14	US-5,424,329	06-13-1995	Warner-Lambert Company	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	AA	WO 01/92224 A1	12-06-2001	AstraZeneca AB		<input type="checkbox"/>
	AB	WO 02/70478 A1	09-12-2002	AstraZeneca AB		<input type="checkbox"/>
	AC	EP 1297833 A1	04-02-2003	Pfizer Products Inc.		<input type="checkbox"/>
	AD	CH 414639 +English Abstract	12-30-1966	Sandoz Ltd.		<input type="checkbox"/>
	AE	WO 98/39323 A1	09-11-1998	Baylor University		<input type="checkbox"/>
	AF	WO 99/29660 A1	06-17-1999	Astra Pharmaceuticals Ltd.		<input type="checkbox"/>
	AG	WO 99/29661 A1	06-17-1999	Astra Pharmaceuticals Ltd.		<input type="checkbox"/>
Examiner Signature			Date Considered	2/9/06		

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MS	AH	WO 99/51598 A1	10-14-1999	Neurogen Corporation		<input type="checkbox"/>
MS	AI	WO 99/51600 A1	10-14-1999	Neurogen Corporation		<input type="checkbox"/>
MS	AJ	WO 00/48606 A1	08-24-2000	Oxigene, Inc.		<input type="checkbox"/>
MS	AK	WO 00/66585 A1	11-09-2000	Neurogen Corporation		<input type="checkbox"/>
MS	AL	WO 01/19794 A2	03-22-2001	Baylor UniversityS		<input type="checkbox"/>
MS	AM	WO 01/29025 A2	04-26-2001	Merck & Co., Inc.		<input type="checkbox"/>
MS	AN	WO 01/82909 A2	11-08-2001	Asta Medica AG		<input type="checkbox"/>
MS	AO	EP 0372962 B1	07-20-1994	Beecham Pharmaceuticals		<input type="checkbox"/>
MS	AP	EP 0393575 B1	03-16-1994	G.D. Searle & Co.		<input type="checkbox"/>
MS	AQ	JP 200080295 A2 +English Abstract	03-21-2000	Konica Co., Japan		<input type="checkbox"/>
MS	AR	EP 0107963 B1	04-01-1987	Imperial Chemical Industries PLC		<input type="checkbox"/>
MS	AS	ES 227606 +English Abstract	03-01-1957	Drogas Vacunas y Sueros S.A.		<input type="checkbox"/>
MS	AT	GB 942548	11-27-1963	Sandoz Ltd.		<input type="checkbox"/>
MS	AU	GB 873777	07-26-1961	The Upjohn Company		<input type="checkbox"/>
MS	AV	GB 869775	06-07-1961	The Upjohn Company		<input type="checkbox"/>
MS	AW	GB 834028	05-04-1960	The Upjohn Company		<input type="checkbox"/>
MS	AX	GB 839628	06-29-1960	May & Baker Ltd.		<input type="checkbox"/>
MS	AY	GB 770370	03-20-1957	Romeo Justoni & Raffaele Pessina		<input type="checkbox"/>
MS	AZ	CH 380129 +English Abstract	09-15-1964	Sandoz Ltd.		<input type="checkbox"/>
Examiner Signature	<i>[Signature]</i>			Date Considered	2/9/06	

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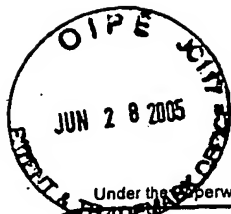
Application Number	10/509833
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First Named Inventor	ARNOULD, Jean-Claude
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket No.	100467

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MS	AA	SHEPPARD, G. S. '3-(2-(3-Pyridinyl)thiazolidin-4-oyl)indoles, a novel series of platelet activating factor antagonists' <i>Journal Of Medicinal Chemistry</i> vol. 37, no. 13, 2011-2032, 1994	<input type="checkbox"/>
MS	AB	KWONG, F. Y & BUCHWALD, S. L. 'A general, efficient, and inexpensive catalyst system for the coupling of aryl iodides and thiols' <i>Org. Lett.</i> Vol. 4, no. 20, 3517-3520, 2002.	<input type="checkbox"/>
MS	AC	DATABASE CROSSFIRE BEILSTEIN 'Beilstein institute zur foerderung der chemischen wissensschaften' Database Accession No. 8172403 (2000).	<input type="checkbox"/>
MS	AD	DATABASE CROSSFIRE BEILSTEIN 'Beilstein institute zur foerderung der chemischen wissensschaften' Database Accession No. 183150, reaction 2 of 4 (1988).	<input type="checkbox"/>
MS	AE	DATABASE CROSSFIRE BEILSTEIN 'Beilstein institute zur foerderung der chemischen wissensschaften' Database Accession No. 5433848 (1993).	<input type="checkbox"/>
MS	AF	MONGE A ET AL 'New indole and pyridazinoindole analogs - synthesis and study as inhibitors of phosphodiesterases and as inhibitors of blood platelet aggregation' <i>Archiv Der Pharmazie</i> vol. 328, no. 10, pp. 689-698, 1995.	<input type="checkbox"/>
MS	AG	ALEKSANDRZAK, K. McGOWN, A. T & HADFIELD, J. A. 'Antimitotic activity of diaryl compounds with structural features resembling combretastatin A-4' <i>Anti-Cancer Drugs</i> vol. 9, pp.545-550, 1998.	<input type="checkbox"/>
MS	AH	McGOWN, A. T. & FOX, B. W. 'Structural and biochemical comparison of the anti-mitotic agents colchicines, combretastatin A4 and amphetamine' <i>Anti-Cancer Drug Design</i> vol. 3, pp. 249-254, 1989.	<input type="checkbox"/>
MS	AI	GALBRAITH, S. M ET AL. 'Effects of combretastatin A4 phosphate on endothelial cell morphology in vitro and relationship to tumour vascular targeting activity in vivo' <i>Anti-Cancer Research</i> vol. 21, pp. 93-102, 2001.	<input type="checkbox"/>
MS	AJ	BOLTON, D ET AL 'Synthesis and potential anxiolytic activity of 4-amino-pyrido[2,3-b]indoles' <i>Bioorganic & Medicinal Chemistry Letters</i> vol. 3, no. 10, pp. 1941-1946, 1993.	<input type="checkbox"/>
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SHEET 2 of 5

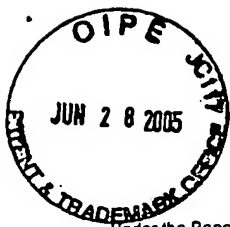
NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JS	AK	BLACKBURN, T. P. '11-amino-2,6-dimethyl-1,2,3,4-tetrahydro-6H-quinindolin-1-one, a novel GABA _A modulator with Potential anxiolytic activity' <i>Bioorganic & Medicinal Chemistry Letters</i> vol. 4, no. 2, pp. 279-284, 1994.	<input type="checkbox"/>
JS	AL	McGOWN, A, T ET AL 'Pre-clinical studies of a novel anti-mitotic agent, amphethinile' <i>Br J Cancer</i> vol. 57, pp. 157-159, 1988.	<input type="checkbox"/>
JS	AM	McGOWN, A, T. & FOX, B, W. 'Interaction of the novel agent amphethinile with tubulin' <i>Br J Cancer</i> vol. 59, pp. 865-868, 1989.	<input type="checkbox"/>
JS	AN	NEWELL, D, R ET AL 'Evaluation of rodent-only toxicology for early clinical trials with novel cancer therapeutics' <i>British Journal of Cancer</i> vol. 81(5), pp. 760-768, 1999.	<input type="checkbox"/>
JS	AO	DARK, G, G. 'Combretastatin A-4, an agent that displays potent and selective toxicity toward tumor vasculature' <i>Cancer Research</i> vol. 57, pp. 1829-1834, 1997.	<input type="checkbox"/>
JS	AP	PLAYER, M, R & SOWELL, J, W. 'Synthesis of 1,3-disubstituted-2-amino-5-hydroxyindoles by reductive aromatization' <i>J Heterocyclic Chem</i> vol. 30 (125), pp. 125 - 128, 1993.	<input type="checkbox"/>
JS	AQ	HESS, S ET AL. '7-deazaadenines bearing polar substituents: structure-activity relationships of new A ₁ and A ₃ adenosine receptor antagonists' <i>J Med Chem</i> vol. 43, pp. 4636-4646, 2000.	<input type="checkbox"/>
JS	AR	FUSE, E ET AL 'Application of pharmacokinetically guided dose escalation with respect to cell cycle phase specificity' <i>Journal of the National Cancer Institute</i> vol. 86, no. 13, 1994.	<input type="checkbox"/>
JS	AS	EGER, K ET AL 'Synthesis of substituted indoles and pyrimido[4,5-b]indoles by dehydration of tetrahydroindoles and tetrahydropyrimidoindoles' <i>Liebigs Ann Chem</i> pp. 465-470, 1993.	<input type="checkbox"/>
JS	AT	KEGLEVIC, D & GOLES, D 'Indole compounds. VI. Syntheses of indole thioethers by direct cyclization of phenylhydrazine hydrochlorides and aliphatic acetals under mild conditions' <i>Croatica Chemica Acta</i> vol. 42, pp. 513-521, 1970.	<input type="checkbox"/>
JS	AU	DESATY, D ET AL 'The synthesis of N-acetylserotonin' <i>Biochem Biophys Acta</i> vol. 62, pp. 179-180, 1962.	<input type="checkbox"/>
JS	AV	MASHIMA, H & MATSUMURA, M. 'Roles of external ions in the excitation-contraction coupling of frog skeletal muscle' <i>Japan J Physiol</i> vol. 12, pp 639-653, 1962.	<input type="checkbox"/>
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JB	AW	HEATH-BROWN, B & PHILPOTT, P. G. 'Studies in the indole series. Part 1. Indolylalkylamines' <i>J Chem Soc</i> pp. 7165-7078, 1965.	<input type="checkbox"/>
JB	AX	DESAI, H. K. & USGAONKAR, R. N. 'Isocoumarins. Part 1. Synthesis of 4-Methylisocoumarins' <i>Jour Indian Chem Soc</i> vol. 41, no. 12, pp. 821 - 829, 1964.	<input type="checkbox"/>
JB	AY	HEACOCK, R. A. & HUTZINGER, O. 'The preparation of the hydroxyskatoles and 5,6-dihydroxyskatole' <i>Canadian Journal of Chemistry</i> vol. 42, pp. 514 - 521, 1964.	<input type="checkbox"/>
JB	AZ	MA, J. C. N & WARNHOFF, E. W. 'On the use of nuclear magnetic resonance for the detection, estimation and characterization of N-methyl groups' <i>Canadian Journal of Chemistry</i> vol. 43, pp. 1849 - 1869, 1965.	<input type="checkbox"/>
JB	BA	BENIGNI, J. D & MINNIS, R. L. 'The synthesis of 5,6-dihydroxyindole and some of its derivatives (1)' <i>J Heterocyclic Chem</i> vol. 2, pp. 387 - 392, 1965.	<input type="checkbox"/>
JB	BB	MARCHAND, B ET AL 'Preparative chemistry of indole compounds. 1. Preparation of phenylhydrazones of pyruvic acid esters from methyloxalacetic esters and diazonium salts and conversion of these compounds into indole-2-carboxylic esters' <i>J Prakt Chem</i> vol. 13, pp. 54-57, 1961. +English Abstract	<input type="checkbox"/>
JB	BC	TABORSKY, R. G. & DELVIGS, P. 'Synthesis of some substituted tryptophols of possible physiological importance and a study with 3-(2-acetoxyethyl)-5-methoxyindole (5-methoxytryptophol O-acetate) on sexual maturation' <i>J Med Chem</i> vol. 9, pp. 251 - 254, 1966.	<input type="checkbox"/>
JB	BD	TABORSKY, R. G ET AL '6-hydroxyindoles and the metabolism of melatonin' <i>J Med Chem</i> vol. 8(6), pp 855-858, 1965.	<input type="checkbox"/>
JB	BE	TABORSKY, R. G ET EL 'Synthesis and preliminary pharmacology of some 1-methylindoles' <i>J Med Chem</i> vol. 8(4), pp. 460 - 466, 1965.	<input type="checkbox"/>
JB	BF	ARUTYUNYAN, G. S. ET AL 'Relations between chemical structure and pharmacological activity of 5-alkoxytryptamines' <i>Farmakol Toksikol</i> vol. 27(6), pp. 681 - 686, 1964. +English Abstract	<input type="checkbox"/>
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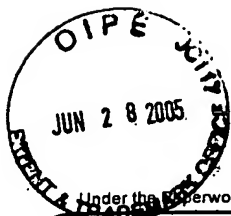
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	BG	KRASNYKH, P, G ET AL 'Radioprotective action of 5-methoxytryptamine and other alkoxytryptamines' <i>Radiobiologiya</i> vol. 2(1), pp. 156-160, 1962. +English Abstract	<input type="checkbox"/>
<i>MB</i>	BH	SHAGALOV, N, P. ET AL 'Indole derivatives. XXI. Synthesis of 4- and 6-chloroindolybutyric acids' <i>Zh Obshch Khim</i> vol. 34(5), pp. 1592 - 1595, 1964. +English Abstract	<input type="checkbox"/>
<i>MB</i>	BI	KEGLEVIC, D ET AL 'The synthesis of 3,5-disubstituted indoles by cyclization under mild conditions' <i>Croat Chem Acta</i> vol. 33, pp. 83-88, 1961. +English Abstract	<input type="checkbox"/>
<i>MB</i>	BJ	GREENBERG, A, J. & KETCHAM, R 'Determination of urinary indolic metabolites' <i>Journal of Pharmaceutical Sciences</i> vol. 67(4), pp. 478 - 480, 1978.	<input type="checkbox"/>
<i>MB</i>	BK	COTTERILL ET AL 'Cyclopropamitosenes, Novel Bioreductive Anticancer Agents. Synthesis, Electrochemistry, and Biological Activity of 7-Substituted Cyclopropamitosenes and Related Indolequinones' <i>J Med Chem</i> vol.37(22), pp. 3834 - 3843, 1994	<input type="checkbox"/>
<i>MB</i>	BL	COTTERILL ET AL 'Cyclopropamitosenes, Novel Bioreductive Anticancer Agents. Synthesis, 7-Methoxycyclopropamitosene and Related Indolequinones', <i>Tetrahedron</i> vol. 50(25), pp. 7657 - 7674, 1994.	<input type="checkbox"/>
<i>MB</i>	BM	MOODY ET AL 'Synthesis and Biological Activity of Thiazolylindolequinones, Analogues of the Natural Product BE 10988', <i>J Med Chem</i> vol. 38(6), pp. 1039 - 1043, 1995.	<input type="checkbox"/>
<i>MB</i>	BN	MOODY ET AL 'Synthesis and Cytotoxic of Thiazolyl Indolequinones', <i>Anti-Cancer Drugs</i> vol. 10, pp. 577 - 589, 1999.	<input type="checkbox"/>
<i>MB</i>	BO	CHIKVAIDZE ET AL 'Soobshch Akad Nauk Gruz' Bulletin of the Academy of Sciences of Georgia, vol. 141(3), pp. 545-548, 1991. +English Abstract	<input type="checkbox"/>
<i>MB</i>	BP	BESWICK ET AL 'The Synthesis of 4 - Substituted Indoles via Arenetricarbonylchromium(0) Complexes' <i>Tetrahedron</i> vol. 44(23), pp. 7325 - 7334, 1988.	<input type="checkbox"/>
<i>MB</i>	BQ	NECHVATAL & WIDDOWSON 'A New Synthesis of 4-Substituted Indoles via Tricarbonylarenechromium(0) Complexes' <i>J Chem Soc Chem Commun</i> vol. 8, pp. 467-468, 1982.	<input type="checkbox"/>
<i>MB</i>	BR	DICKENS ET AL 'Transition Metal Medicated Thiation of Aromatic Rings' <i>Tetrahedron</i> vol. 47(40), pp. 8621 - 8634, 1991.	<input type="checkbox"/>
<i>MB</i>	BS	FUKUDA ET AL 'Directed C-7 Lithiation of 1-(2,2-Diethylbutanoyl)indoles' <i>Tetrahedron</i> vol. 55(30), pp. 9151 - 9162, 1999.	<input type="checkbox"/>
Examiner Signature	<i>Michael J. Green</i>		Date Considered <i>2/19/06</i>

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/509633
Filing Date	February 18, 2005
First Named Inventor	ARNOULD, Jean-Claude
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket No.	100467-1 US

SHEET 5 of 5

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MB	BT	ALEXANDRZAK ET AL 'Antimitotic Activity of Diaryl Compounds with Structural Features Resembling Combretastatin A-4' <i>Anticancer Drugs</i> vol. 9(6), pp. 545-550, 1998.	<input type="checkbox"/>
MB	BU	MCGOWAN & FOX 'Structural and Biochemical Comparison of the Anti-Mitotic Agents Colchicine, Combretastatin A4 and Amphelthinile' <i>Anticancer Drug Des</i> vol. 3(4), pp. 249-254, 1989.	<input type="checkbox"/>
MB	BV	MCGOWAN & FOX 'Interaction of the Novel Agent Amphethinile with Tubulin', <i>British Journal of Cancer</i> vol. 59(6), pp. 865 - 868, 1989.	<input type="checkbox"/>
MB	BW	MCGOWAN & FOX 'Pre-Clinical Studies of a Novel Anti-Mitotic Agent, Amphethinile' <i>British Journal of Cancer</i> vol. 57(2), pp. 157 - 159, 1988.	<input type="checkbox"/>
MB	BX	GAIRNS ET AL 'Synthesis of Fused 1 λ ⁴ ,2-Thiazines(2-Azathiabenzenes)' <i>J Chem Soc Perkin Trans</i> vol. 1(3), pp. 483 - 489, 1986.	<input type="checkbox"/>
MB	BY	ALLEN 'Synthesis of Indole-2-Carboxylic Acid Esters', <i>Synth Commun</i> vol. 29(3), pp. 447 - 455, 1999.	<input type="checkbox"/>
MB	BZ	DUNAN & ANDRAKO 'Synthesis of 2-(N,N-Dialkylaminomethyl)-7-Phenylthioindoles', <i>J Pharm Sci</i> vol. 57(6), pp. 979 - 983, 1968.	<input type="checkbox"/>
MB	CA	SOMEI & NATSUME 'Photochemical Rearrangements for the Synthesis of 3-,4- and 6-Substituted Indoles', <i>Tetrahedron Lett</i> vol. 27, pp. 2451 - 2454, 1973.	<input type="checkbox"/>
MB	CB	MIRZIASHVILI ET AL <i>Khim Geterotsikl Soedin</i> vol. 1, pp. 54 - 56, 1991. +English Abstract	<input type="checkbox"/>
MB	CD	NERENBERG ET AL 'Radioimmunoassay of Oxfendazole in Bovine, Equine, or Canine Plasma or Serum', <i>J Pharm Sci</i> vol. 67(11), pp. 1553 - 1557, 1978.	<input type="checkbox"/>
MB	CE	CHIKVAIDZE ET AL 'New Indole Derivatives: Synthesis and Antibacterial Activity' <i>Pharmaceutical Chemistry Journal</i> , Vol. 32, No. 1, pp.30-33, 1998	<input type="checkbox"/>
MB	CF	MCCORMICK ET AL 'Characterization and Synthesis of a New Calcium Antagonist from the Venom of a Fishing Spider', <i>Tetrahedron Lett</i> vol. 49, No. 48, pp. 11155-11168, 1993	<input type="checkbox"/>
MB	CG	CHIKVAIDZE ET AL 'Indole Derivatives 138.* Synthesis of Some New Sulfur-Containing Derivatives of Indole', <i>Chem Heterocycl Compd</i> , Vol. 27 No. 11 pp. 1218-1221, 1991	<input type="checkbox"/>
Examiner Signature			Date Considered 2/8/06

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